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**Department of Mathematics and Statistics**

**COLLOQUIUM**

**Tuesday, January 13th, 2015**

4:00 – 5:00 pm, Adel Mathematics Bldg., Room 164

(refreshments at 3:45)

Dr. Bhupendra Paudyal

NAU

Invariant subspaces of the shift plus complex Volterra operator.

Abstract: The invariant subspace problem is an important problem in operator theory. I will begin my talk with the introduction of invariant subspace problem and discuss some recent approaches to the problem. Then I will present our work on the lattice of closed invariant subspaces of the shift plus complex Volterra operator acting on the Hardy space.

(This is a joint work with Zeljko Cuckovic)

Algebra Combinatorics Geometry and Topology (ACGT) Seminar will *begin* Tuesday January 20th, 12:45 – 1:45 pm, AMB 164.

Applied Math Seminar (AMS): Thursday, January 15th, 12:45 – 1:45 pm, AMB 164. *Organizational Meeting.* After scheduling the first few series of talks, we can perhaps discuss Dana Ernst’s web-based plan for posting schedules/titles/flyers/abstracts for all seminars.

Friday Afternoon Undergraduate Mathematics Seminar (FAMUS) will *begin* Friday January 23rd, 3pm.